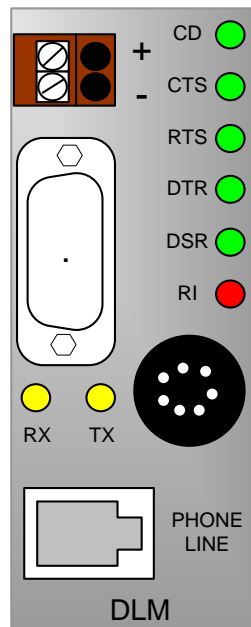Supplement, for DTR-Dialing

AGM Electronics, Inc – Dial-Up / Leased-Line Modem, Series ( ) 5019-1
Supplement Rev NC

User Manual Supplement, for DTR-Dialing

Introduction

This supplement contains instructions on setting up the DLM to dial a single phone number on a DTR line transition.

These instructions are a workaround to a condition observed when using Data Handlers and with a DLM where the DLM fails to dial out on commands from the Data Handler. These instructions may also be used in other situations where dialing from a transition in the DTR line is required.

See the DLM User Manual for complete instructions on using the DLM.

Instructions

Setting DLM for DTR Dial-Up Operation

The following instructions must be done to the DLM modem that will be dialing out only. For the answering modem set up as described in the Getting Started section of the DLM User Manual. Each of the following commands will be entered then followed with a carriage return (Enter Key). After entering each command wait for the "OK" response.

1. Turn on the DLM and as soon as the "DSR" and "CTS" lights turn on enter:
    AT%DC0

    NOTE 1: You may not get a response from this command. Some configurations disable the response to commands as well as the echoing of characters.

    NOTE 2: It is possible to set up the DLM to ignore any commands. To break out of this mode the "%DC0" command must be sent within the first 10 seconds after power up.

2. Reset the DLM to its factory defaults by entering: AT&F0

    NOTE 1: You will get an "OK" response from this command.

    NOTE 2: We recommend always restoring the DLM to factory defaults and reentering all settings in this procedure. This guarantees the DLM is in a known condition.

3. The default baud rate for Data Handlers is 1200 baud. Enter the following command below to fix the DLM baud rate to 1200. See the DLM User Manual for other baud rates
    AT$SB1200

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4. Data Handlers uses 8 data bits, no parity, 1 stop bit. Enter the following command to fix the data format.
     AT$EB0

5. Data Handlers do not use handshaking. Enter the following command:
     AT&K0

6. DTR control must be enabled. Enter the following command:
     AT&D2

7. Enter the following command to set the phone number to dial:
     AT&Z0=<phone number>

   Replace <phone number> with the phone number to be dialed.
   (E.G. AT&Z0=7221006)

8. Enter the following command to enable DTR dialing:
     AT$D1

9. Enter the following command to disable AT commands and to save the settings:
     AT%DC1&W0

You are done configuring your DLM. With this configuration the DLM will attempt to dial out on anytime DTR becomes active. Dial outs will occur:

1. When the Data Handler toggles the DTR line

2. The Data Handler is powered up

3. The RS232 cable is connected when the DLM is powered up.